Beginning Fall 2012

BA (Bachelor of Arts) in Biology
Coursework in Biological Sciences: (45 qtr hrs)
- BIOL 1011 (Winter Qtr) Evolution, Heredity, Biodiversity (with lab) (5 hrs)
- BIOL 1010 (Spring Qtr) Physiological Systems (with lab) (5 hrs)
- BIOL 2120 (Fall Qtr) Cell Structure and Function (with lab) (5 hrs)
- BIOL 2510 (Winter Qtr) General Genetics (with lab) (5 hrs)
- Either BIOL 2010 General Ecology (Fall Qtr) or BIOL 2050 Conservation Biology (Spring Qtr) (5 hrs)
- BIOL 2xxx and BIOL 3xxx Electives for a total for 45 qtr hrs (with no more than 5 hrs of BIOL 3991 Independent Study and/or BIOL 3950 Undergraduate Research)

BA Minor coursework requirements:
- Either Chemistry Minor (20 hrs)
  - CHEM 1010 General Chemistry (with lab)
  - CHEM 2451 Organic Chemistry I (with lab)
  - CHEM 2452 Organic Chemistry II (with lab)
  - CHEM 2xxx or higher (at least 8 hrs)
- Or ANY APPROVED MINOR PLUS ONE YEAR OF CHEMISTRY that includes:
  - CHEM 1010 General Chemistry (with lab)
  - CHEM 2451 Organic Chemistry I (with lab)
  - CHEM 2xxx or higher (at least 4 hrs)

Math: (8 qtr hrs of mathematics/statistics)
- Either MATH 1951 AND 1952
- or [MATH 1200 or 1951] and [BIOL 2090 or PSYC 2300]

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- Either BIOL 2010 General Ecology (Fall Qtr) or BIOL 2050 Conservation Biology (Spring Qtr) (5 hrs)
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BS Minor requirements: Chemistry Minor plus a second minor selected from any other Department or program.
Chemistry Minor coursework requirements: (minimum 20 hrs)
- CHEM 1010 General Chemistry (with lab)
- CHEM 245x Organic Chemistry I, II, and III (with labs)

- CHEM 2011 Analysis Equilibrium Systems (with lab)

NOTE: Many graduate programs (including medical schools) require at least 2 yrs of chemistry - one year of inorganic and one year of organic. To satisfy a year-long requirement for inorganic chemistry, students should also take CHEM 2130 Chem of the Elements. Some graduate programs also require or recommend biochemistry.

Math: (12 qtr hrs of calculus/statistics)
- Either MATH 1951, 1952, 1953
- or MATH 1951, 1952 AND [BIOL 2090 or PSYC 2300]

Physics: (15 qtr hrs)
- PHYS 111x Gen Physics (with labs) or PHYS 121x University Physics (with labs)

Additional requirements and notes for BA/BS in Biology

ASSESSMENT – All Biology majors will participate in program assessment activities in their first year (knowledge pre-test) and in their last quarter at DU (knowledge post-test, Senior survey, and digital submission of an example of their best work in Biology). During the BIOL experience at DU, plan to keep digital copies of your best works (could be advanced lab, research project, analysis paper, challenging exam, or other work) for self-evaluation and submission into the Assess-It system before graduation.

All Biology majors must satisfy University Undergraduate Requirements

Advanced Placement (AP) credit for Calculus AB or Calculus BC may count toward the MATH 195x series for either the BA or the BS according to the University approval policy (see the University of Denver Undergraduate Bulletin for details). Approval through the Department of Mathematics is required.

ONE YEAR OF CALCULUS is recommended by many graduate programs and is required for a few. Check the requirements for the school(s) to which you hope to make application before you decide about math options.
- The BA degree requires the major plus ONE minor.
- The BS degree requires the major plus TWO minors (Chem minor is earned by satisfying the chemistry requirement).
- A BA-BA double major does not require a minor.
- A BS-BS double major requires ONE minor. (Chem minor is earned by satisfying the chemistry requirement).

To declare a major or minor fill out and submit a Declaration of Major/Minor form to the Registrar’s Office. This form is available in the Registrar’s office (University Hall) and online http://www.du.edu/registrar/forms/index.html